Serial.: 10,015,091

I hereby certify that this correspondence is being deposited with the United States Postal Service, with sufficient postage, as first class mail in an envelope addressed to: MS/ Non-fee Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

on April 14, 2004

Date of Deposit

Anthony P. Curtis, Ph.D. Reg. No.:46,193

Name of applicant, assignee or Registered-Representative

Signature

Date of Signature

RECEIVED

APR 2 1 2004

**Technology Center 2600** 

Our Case No. 9281-4223

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Naoya Hasegawa

Serial No.: 10/015,091

Filing Date: October 23, 2001

For: SPIN-VALVE THIN-FILM MAGNETIC ELEMENT WITHOUT SENSING CURRENT SHUNT AND THIN-

FILM MAGNETIC HEAD INCLUDING THE SAME

Examiner: Miller, Brian E.

Group Art Unit: 2652

## **AMENDMENT AND RESPONSE**

MS/Non-fee Amendment P.O. Box 1450 Commissioner for Patents Alexandria, VA 22313-1450

Dear Sir:

This paper is submitted in response to the Office action of January 20, 2004. The Claims begin on page 2, and the Remarks begin on page 15.

APR 1 9 MW SUN Serial No.

A97					
	TRANSMITTAL LETT	Case No. 9281-4223			
Serial No.	Filing Date	Examiner	Group Art Unit		
10/015,091	October 23, 2001	Brian E. Miller	2652		
Inventor(s)			<del></del>		
Naoya Hasegawa					
Title of Invention	· · · · · · · · · · · · · · · · · · ·				
SPIN-VALVE THIN-FIL	LM MAGNETIC ELEMENT WITHO	UT SENSING CURRENT SHUP	NT AND THIN-FILM MAGNETIC HEAD		
INCLUDING THE SAM	AF.				

## TO THE COMMISSIONER FOR PATENTS

	•	itus of this	application unde	r 37 CFR § 1.2	7 has been esta	blished by v	erified	statement p	reviously			
П	submitted.  Petition for amonth extension of time.  No additional fee is required.  The fee has been calculated as shown below:  Small Entity							RECEIVED  APR 2 1 2004  Technology Center 26  Other Than Small Entity				
* .	Claims Remaining After Amendment		Highest No. Previously Paid For	Present Extra	Rate	Add'I Fee	or	Rate	Add'I Fee			
Total		Minus			x \$9=			x \$18=				
Indep.	-2	Minus			x 43=			x \$86=				
First Presentation of Multiple Dep. Claim + \$14							_	+ \$290=				
					Total add'l fee			Total add'I fee	\$			
	Please charge Deposit Account No. 23-1925 (BRINKS HOFER GILSON & LIONE) in the amount of \$ A duplicate copy of this sheet is enclosed.											
	A check in the amount of \$ to cover the filing fee is enclosed.											
$\boxtimes$	The Commissioner is hereby authorized to charge payment of any additional filing fees required under 37 CFR § 1.16 and any patent application processing fees under 37 CFR § 1.17 associated with this communication or credit any overpayment to Deposit Account No. 23-1925. A duplicate copy of this sheet is enclosed.											
$\boxtimes$	I hereby petition under 37 CFR § 1.136(a) for any extension of time required to ensure that this paper is timely filed. Please charge any associated fees which have not otherwise been paid to Deposit Account No. 23-1925. A duplicate copy of this sheet is enclosed.											
				Respectfull	y_submitted,							
				19	4	<del>-</del>						
			100	Anthony P.	Cyrtis Ph D	<b>\</b>						
				Registration Agent for A	n No. 46,193							
				AGENT for A	INDUAGET							

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Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on April 14, 2004.

Date: 4/14/04 Signature: